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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/765,910	01/19/2001	Paul A. Kline	2171-010	8256

7590 11/17/2004

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EXAMINER

NGUYEN, PHUNG

ART UNIT	PAPER NUMBER
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2632

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/765,910	Applicant(s) KLINE, PAUL A.	
	Examiner Phung T Nguyen	Art Unit 2632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 11-15, 18-21, 25-27, 30 and 32-53 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-15, 18-21, 25-27, 30 and 37-53 is/are allowed.
- 6) ☒ Claim(s) 32-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/03/04</u> . | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 32-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Komoda et al. (U.S. Pat. 4,599,598).

Regarding claim 32: Komoda et al. disclose a data transmission system utilizing power line comprising a low pass filter 514 (figure 19, col. 16, lines 33-35) coupled to the branch line, and coupling a first port of a power line communications repeater to the branch line on a first side of the filter and a second port of the power line communication repeater to the branch line on a second side of the filter (fig. 19, col. 16, lines 35-54). Komoda et al. do not specifically show coupling a low pass filter to the branch line on the subscriber side as claimed. Since the placement of the low pass filter presents no new or unexpected results, so long as the low pass filter permit the flow of power signals through the branch line. Therefore, it would be obvious to the skilled artisan to place the low pass filter to the branch line on the subscriber side/distribution transformer side of the power meter in order to allow passage of a power supply alternating current.

Komoda et al. do not teach the claimed wherein the low pass filter attenuates high frequency noise traversing the first branch line. Komoda et al. teach the use of the low pass filter 514 as shown in figure 19. It is seen that low pass filter is a device that blocks the unwanted signals, e.g., noise. Therefore, it would be obvious to the skilled artisan to recognize that the low

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pass filter 514 of Komoda et al. which attenuates high frequency noise traversing the first branch line also.

Regarding claim 33: Komaoda et al. disclose the power line communication repeater is connected across the low pass filter (col. 16, lines 12-54) but do not show the power line communication is connected across both the low pass filter and the power meter as claimed. However, whether a skilled artisan connects the power line communication repeater across the low pass filter or both the low pass filter and the power meter would have been an obvious design choice because they are functional equivalent for the quality and strength of a signal decays over distance.

Regarding claim 34: Refer to claim 32 above.

Regarding claim 35: Refer to claim 33 above.

Regarding claim 36: All the claim subject matter is already discussed in respect to claims 32 and 33 above.

Allowable Subject Matter

3. Claims 11-15, 18-21, 25-27, 30, and 37-53 are allowed.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phung T Nguyen whose telephone number is 571-272-2968. The examiner can normally be reached on 8:00am-5:30pm Mon thru. Friday, with alternate Friday off.

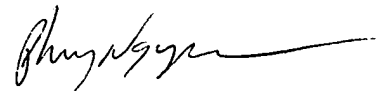
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel J. Wu can be reached on 571-272-2964. The fax numbers for the organization

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where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-308-9051 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2600.

Phung Nguyen

A handwritten signature in black ink, appearing to read 'Phung Nguyen', with a long horizontal flourish extending to the right.

Date: November 3, 2004